

pQM

PCMV

QM

polyA SV40

pA8Q

PCMV

A8

polyA SV40

pGA

PCMV

GA

polyA SV40

pG1A

PCMV

G1A

polyA SV40

(TCC GGC GGC ACC CCA TCC GGC GGC CAG)₁₁₃ TCC CCA CTC AGA TCT

S C G S C S C C Q S C L A S

pSG5A

PCMV

Synphotogrin

QSA

polyA SV40

pISG&A

PCMV

ISG

QSA

polyA SV40

FIGURE 1

Aequorin

% maximum

Wavelength (nm)

GA

% maximum

Wavelength (nm)

G5A

% maximum

Wavelength (nm)

SG5A

% maximum

Wavelength (nm)

Relative fluorescence intensity of G5A and SG5A

Excitation wavelength (nm)

Relative fluorescence intensity

FIGURE 2

FD-302 (Rev. 11-27-60)

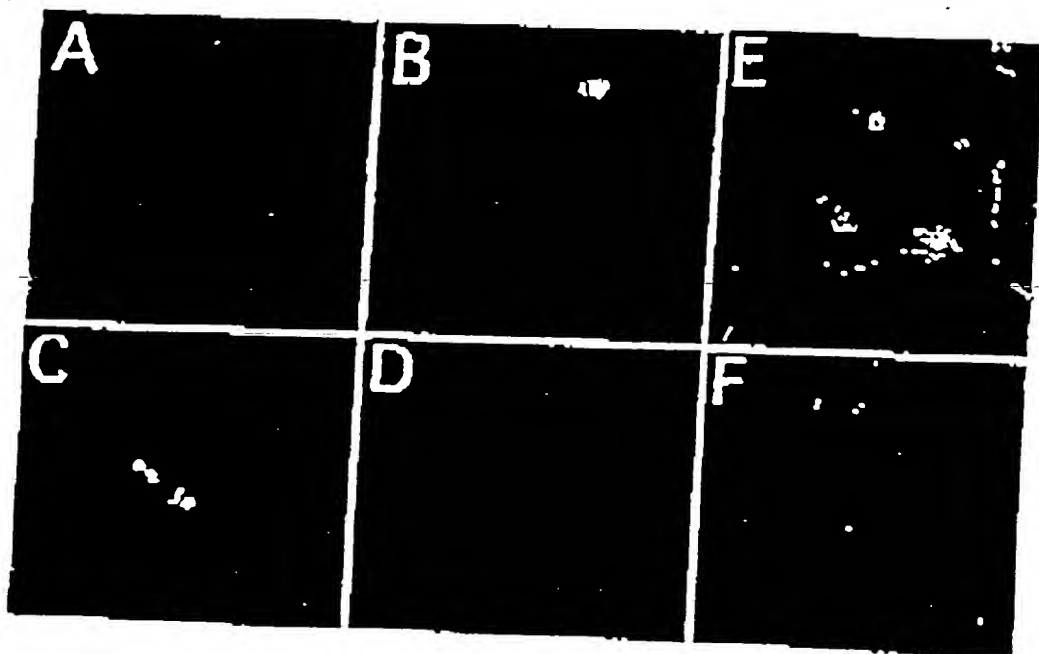


FIGURE 3

FIGURE 4

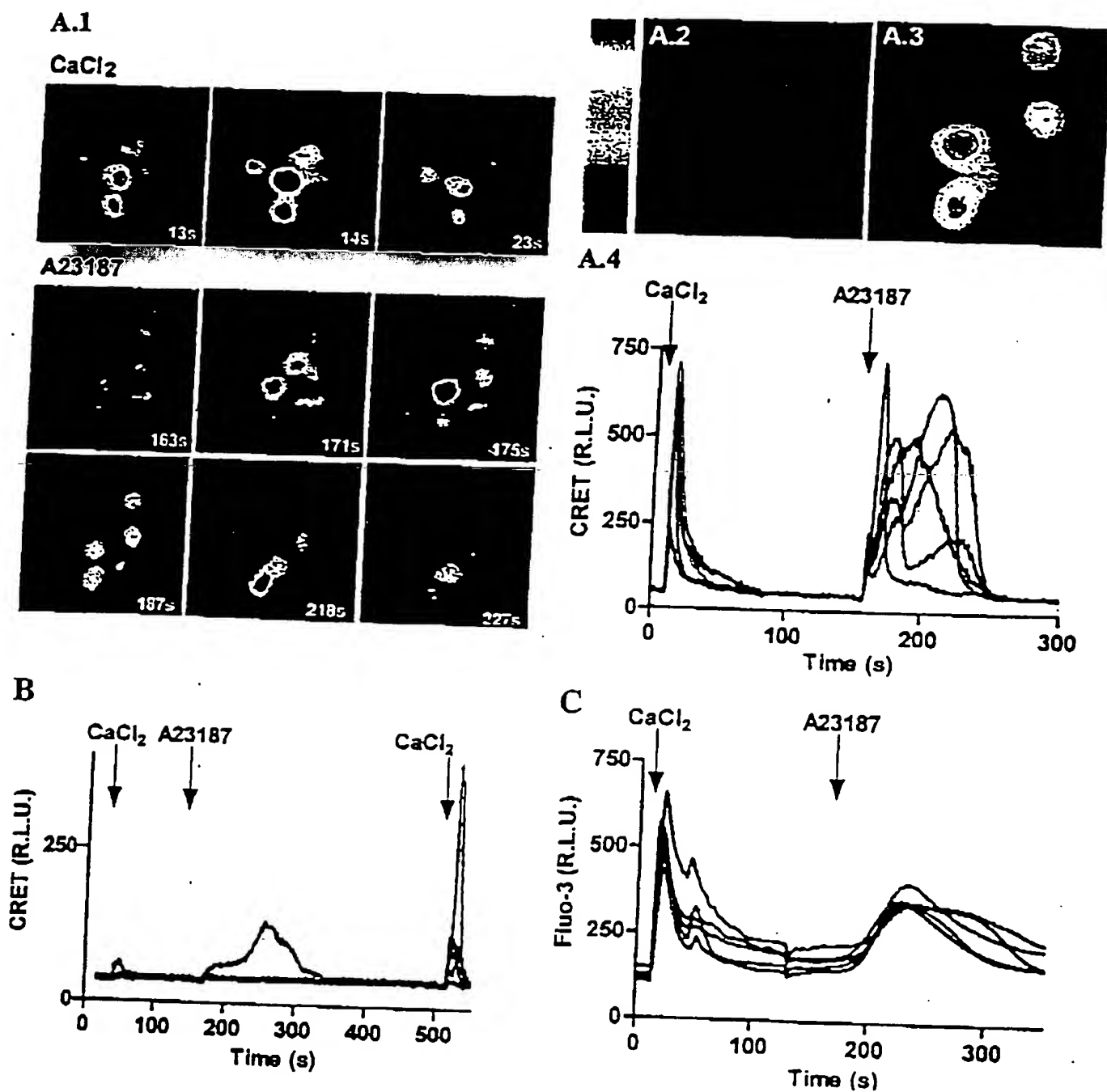


FIGURE 4

Protein stability

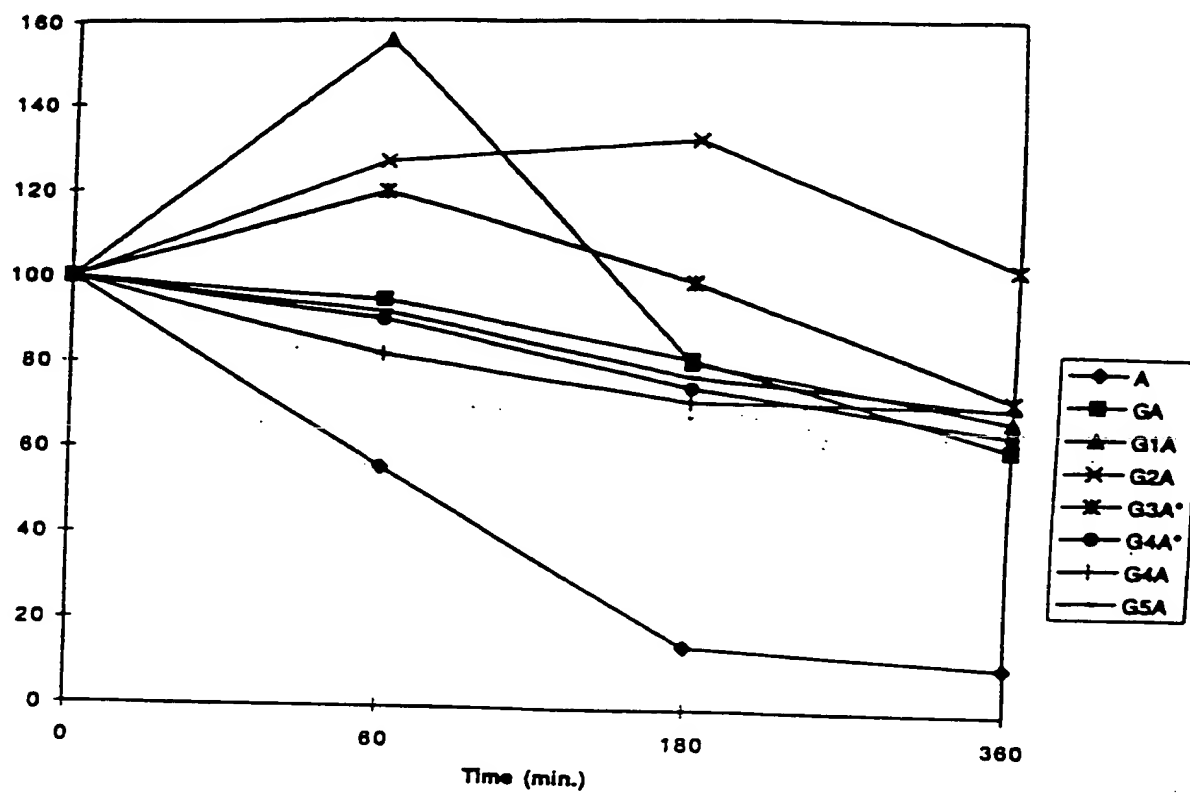
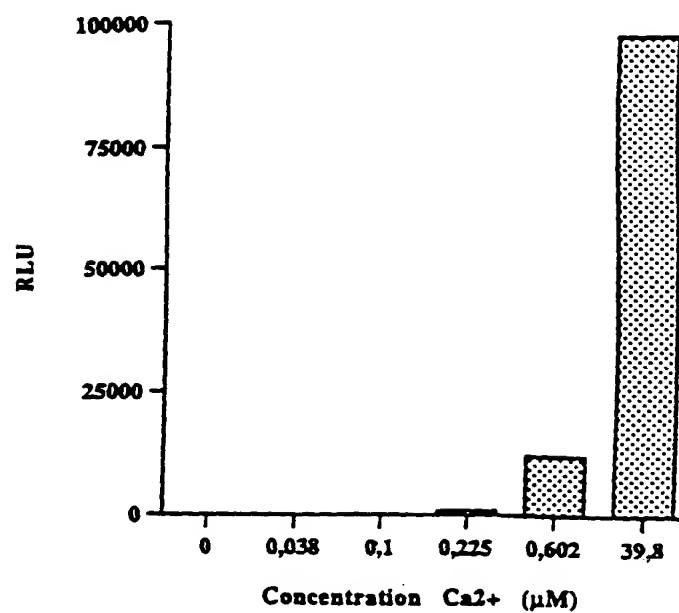


FIGURE 5

Aequorine



G5A

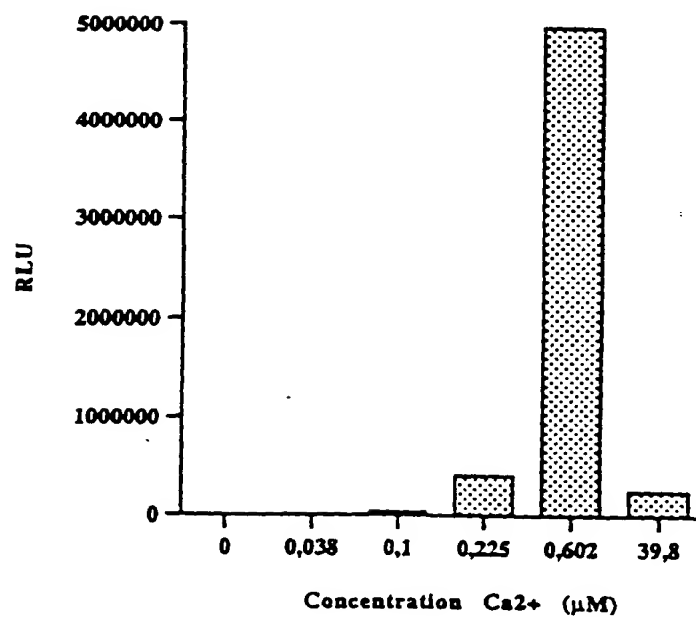
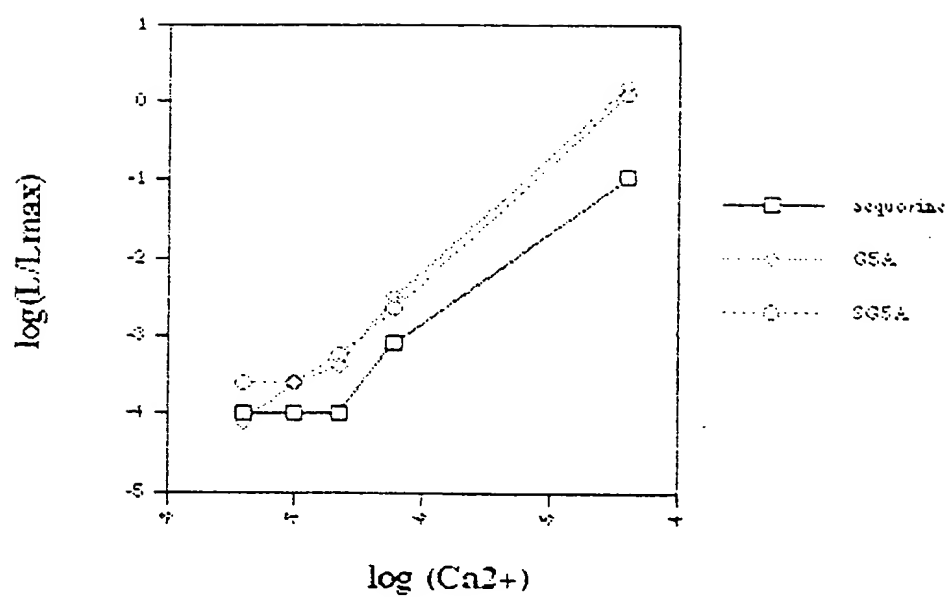
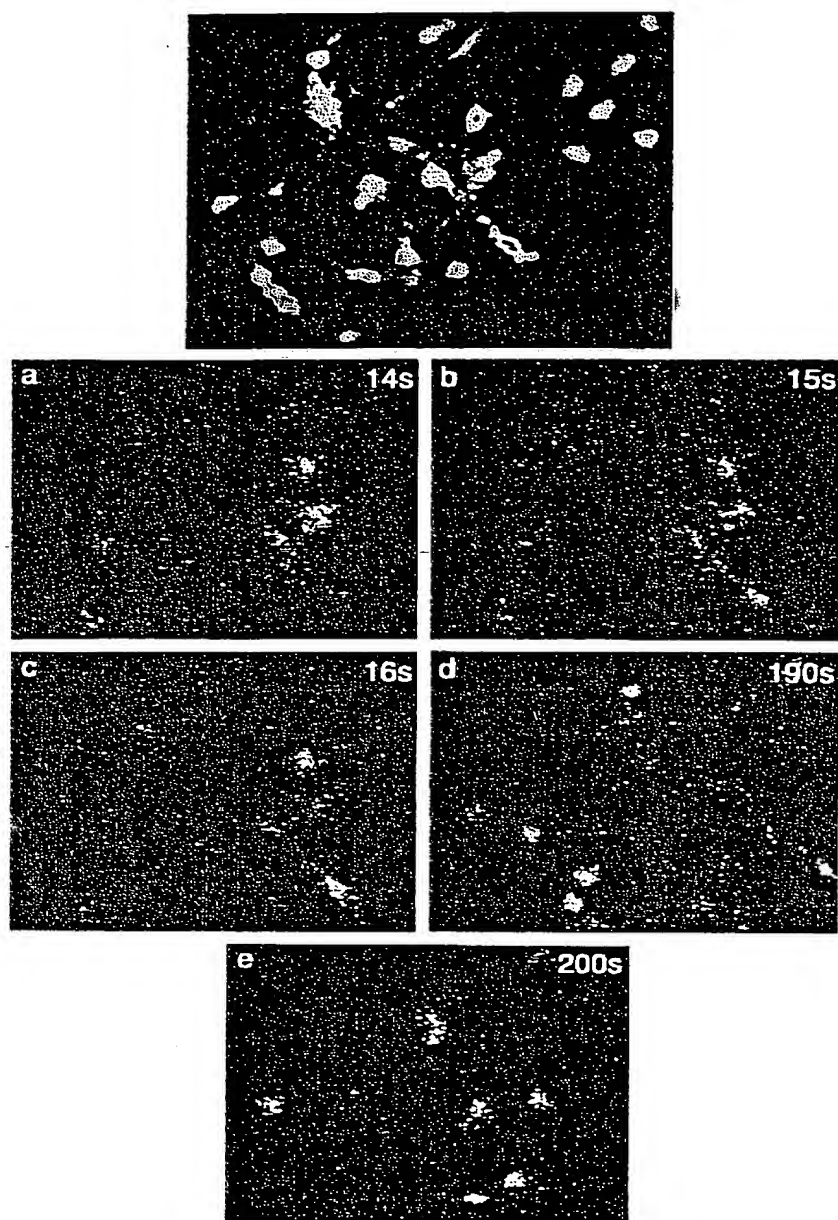


FIGURE 6



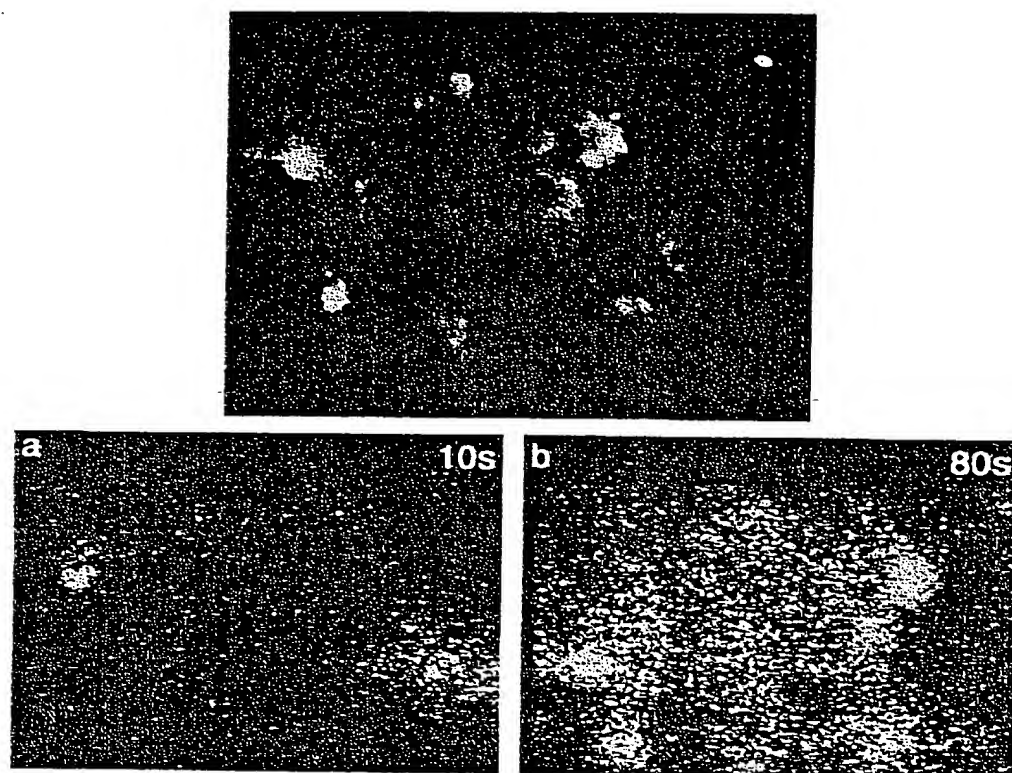
Calibration curves between the bioluminescent activity and Ca^{2+}

FIG. 7



Fluorescence and Ca^{2+} -induced bioluminescent activity in dissociated neurons in culture infected with adenoviral-G5A vectors.

FIG. 8



Fluorescence and Ca^{2+} -induced bioluminescent activities
in dissociated neurons in culture infected with adenoviral-SG5A vectors.

FIG. 9

T04250 T062960

map1935a1

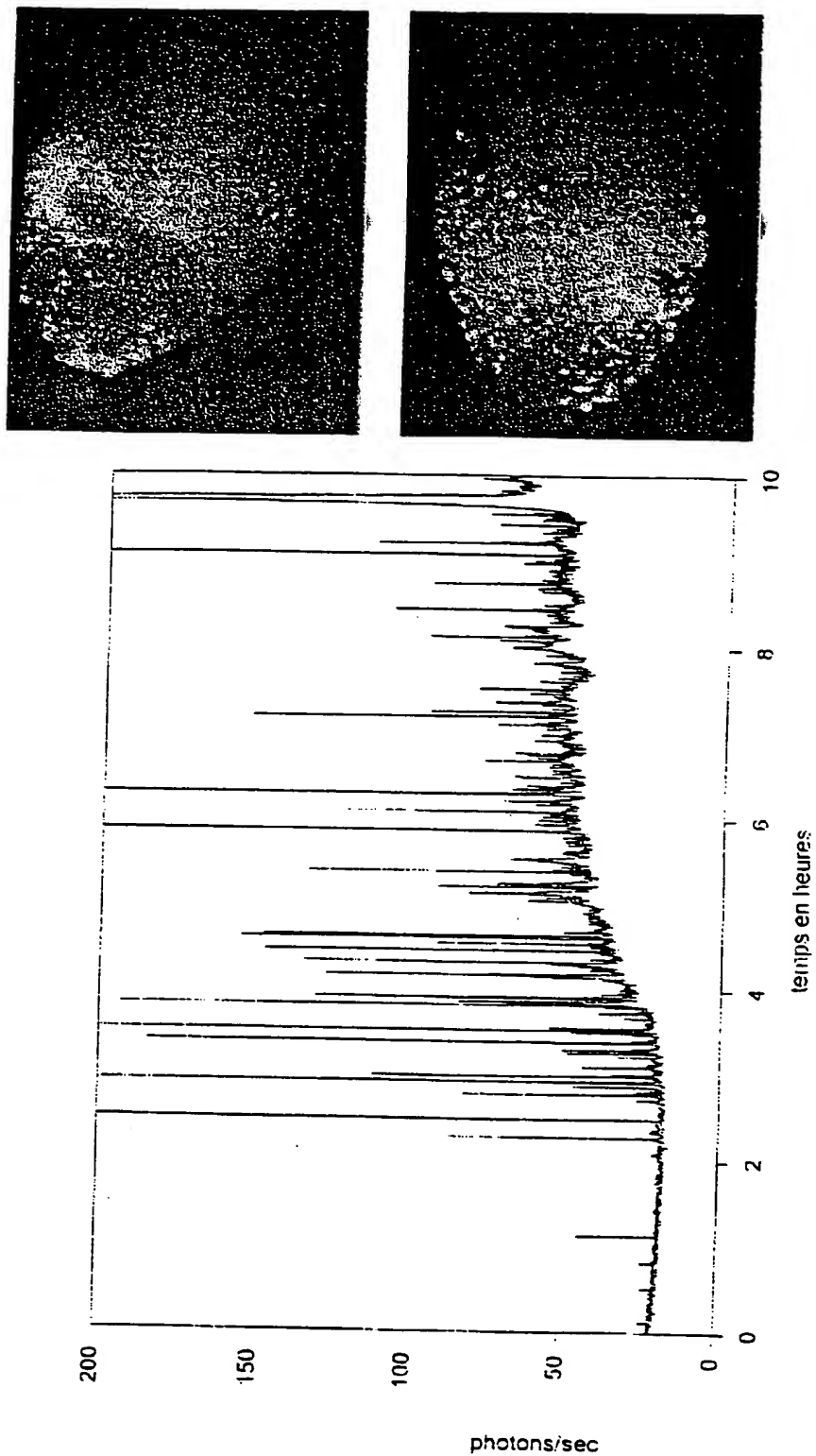


FIG. 10

